

Resource Summary Report

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Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical AERIS Research Edition diffractometer

RRID:SCR_028604

Type: Tool

Proper Citation

Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical AERIS Research Edition diffractometer (RRID:SCR_028604)

Resource Information

URL: <https://cores.research.asu.edu/materials/equipment/x-ray-diffractometer-powder-malvern-panalytical-aeris>

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Description: Malvern PANalytical AERIS Research Edition powder diffractometer is advanced, compact X-ray powder diffractometer (XRD) used to analyze the crystal structure, phase composition, and atomic spacing of materials. Unlike traditional, room-sized lab systems, it is a streamlined benchtop instrument that delivers high-end analytical performance. Provides materials analysis solutions for your powder diffraction needs: operates at 600W (15mA and 40kV) fast Pixel3D 2 dimensional detector 6 sample automatic sample changer high-resolution expansion pack for improved resolution at low angles 2" diameter sample holders adjustable detector parameter for fluorescing samples pattern optimization

Synonyms: , Malvern PANalytical AERIS Research Edition, Malvern PANalytical AERIS Research Edition powder diffractometer

Resource Type: instrument resource

Keywords: compact benchtop instrument, X-ray powder diffractometer, diffractometer, XRD diffractometer,

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_028604%20research%20edition.pdf,
<https://raw.githubusercontent.com/SciCrunch/RRID->

[Instruments/refs/heads/main/PDF/SCR_028604.pdf](#)

Resource Name: Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer

Resource ID: SCR_028604

Alternate URLs: Model_Number_Malvern_PANalytical_Aeris_Research_Edition

Record Creation Time: 20260624T044607+0000

Record Last Update: 20260912T200555+0000

Ratings and Alerts

No rating or validation information has been found for Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer.

No alerts have been found for Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.